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REPORT NO. 7

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FROM
COTTON
LEADS

Cotton Fiber and Processing Test Results

CROP of

1975



Agricultural Marketing Service
U.S. DEPARTMENT OF AGRICULTURE
Memphis, Tenn. 38122 November 21, 1975

These reports are published bi-weekly during the harvesting season and will be summarized in a comprehensive report at the end of the crop year. A detailed description of the tests shown in this report may be found in the summary report for the previous season.^{1/} These reports are available on request from the Standardization Section, Cotton Division, Agricultural Marketing Service, U. S. Department of Agriculture, 4841 Summer Avenue, Memphis, TN 38122.

^{1/} Summary of Cotton Fiber and Processing Test Results, Crop of 1974, USDA, AMS, Cotton Division, May 1975.

COTTON FIBER AND PROCESSING TEST RESULTS, CROP OF 1975

Discussion of Test Results

The average fiber length of short staple cottons tested from the Southwest through November 14 is considerably longer than a year ago, according to the Cotton Division, Agricultural Marketing Service, USDA. The mike is higher on the average and cottons are stronger than a year earlier. Both Shirley Analyzer nonlint content and picker and card waste are lower. Yarns spun from these samples show stronger yarn strength and higher appearance grades. Yarn imperfections are fewer than a year ago. Average spinning potential yarn number is higher.

Average results for all medium staple samples tested to date show fiber properties to be about the same as a year ago. Picker and card waste is lower. Yarns spun from these samples show higher yarn imperfections. The average spinning potential yarn number is lower than last season.

Medium staple samples tested from the Southeast show fibers to be shorter and stronger at zero gage strength tests. Shirley Analyzer nonlint content is higher. Yarns spun from these samples show yarn skein strength to be slightly weaker with lower yarn appearance grades. Yarn imperfections are higher than a year ago. Average spinning potential yarn number is lower than last season.

Medium staple samples tested from the south central states to date, show coarser fibers than a year ago. Picker and card waste is lower. Yarns spun from these samples show yarn imperfections higher than a year ago. The average spinning potential number is lower.

Southwestern medium staples tested show weaker fiber strength at zero gage tests. Picker and card waste is considerably lower than a year ago. Yarns spun from these samples show stronger yarn strength with higher appearance grades. Yarn imperfections are higher this season.

Medium staple samples tested from the western area show cottons to be finer and stronger than a year ago. Picker and card waste is lower. Yarns spun from these samples are stronger. Appearance grades are lower and imperfections are higher than at this time a year ago.

The average results for all long staple samples tested show fibers to be shorter and stronger at zero gage tests than a year ago. Picker and card waste is higher as is comber waste. Both carded and combed yarns are weaker than in the previous season. Appearance grades are higher for both carded and combed yarns. The average spinning potential number is lower.

Long staple samples tested from the southeastern states show fibers to be shorter, less uniform and considerably stronger at zero gage strength tests. Picker and card waste is higher. Both carded and combed yarns spun from these samples are weaker than a year earlier. Carded yarn appearance grades are higher. Both carded and combed yarn imperfection counts are higher than a year ago. The average spinning potential yarn number is lower.

South central states long staple samples tested show shorter, finer and stronger fibers at zero gage strength tests. Picker and card waste is higher. Yarns spun from these samples show both carded and combed strength to be stronger with higher appearance grades.

Long staple samples from the western area are longer and stronger than in the comparable period a year ago. Shirley Analyzer nonlint content is lower. Both carded and combed yarn strength tests are stronger and appearance grades are higher than a year ago. Yarn imperfections for both carded and combed yarns are higher. The average spinning potential yarn number is lower.

Table 1.--Cotton: Averages of fiber and processing tests from selected gin points in the United States through November 14, 1975 1/

Staple group Area, and Crop year	Lots tested	Fiber test results						Processing test results												
		Fibrograph		Mike fine- ness	Fiber strength		S A nonlint	P & C waste	Yarn quality			Spin. Potent.								
		2.5% span	50/2.5 unif.		Pct.	Rdg.			Mpsi	G/tex	Pct.		Lbs.	Index	No.					
																Inches	Pct.	Skein str.	Appear- ance	Imperf- actions
No.	Inches	Pct.	Rdg.	Mpsi	G/tex	Pct.	Pct.	22s	Carded	Yarn	Yarn No.									
Short Staple: Southwest 1974 1975	12	.94	44	4.1	87	20	3.5	7.0	85	98	17	38								
	14	1.00	45	4.4	89	23	2.9	5.7	103	118	13	46								
Medium Staple: Southeast 1974 1975	24	1.10	45	4.4	82	22	3.0	6.0	102	107	16	64								
	17	1.08	45	4.3	84	22	4.3	5.9	98	96	27	54								
South Central 1974 1975	64	1.11	44	4.2	84	23	3.0	6.2	105	104	16	65								
	59	1.10	45	4.5	85	23	3.0	5.1	104	101	19	58								
Southwest 1974 1975	30	1.07	44	4.3	84	22	2.9	6.0	99	92	19	59								
	21	1.08	45	4.3	81	22	2.9	4.7	103	99	22	58								
West 1974 1975	25	1.11	46	4.5	91	25	2.2	5.7	119	102	15	70								
	15	1.12	46	4.2	94	27	2.2	4.5	127	90	24	71								
U.S. Average 1974 1975	143	1.10	45	4.3	85	23	2.8	6.0	106	102	16	64								
	112	1.10	45	4.4	85	23	3.1	5.1	106	98	22	59								
Significant dif- ference	2/	0.02	2	0.2	2	1	0.5	0.5	4(22s)	5	2	3								

1/ Based on a limited number of samples of modal quality
2/ Minimum differences considered to be significant for comparisons in this table.

Table 1.--Cotton:

Averages of fiber and processing tests from selected gin points in the United States
through November 14, 1975
1/ (Continued)

Staple group, Area, and Crop year	Lots	Fiber Test Results					Processing Test Results									
		Length		Mike	Strength		SA Non- lint	P&C Waste	Comber Waste	Yarn Quality						
		Span	Unif		Zero	1/8" page				carded	combed	Strength	Appearance	Imprfctns card	SPY	
22s Carded & Combed Yarn																
No.	In.	Pct.	Rdg.	Mpsi	G/tx	Pct.	Pct.	Pct.	Lbs.	Lbs.	Indx	Indx	No.	No.	No.	
Long Staple:																
Southeast																
1974	6	1.16	44	4.2	81	22	3.6	8.2	17.1	106	124	103	115	17	8	68
1975	6	1.10	42	4.1	85	22	3.6	9.5	18.8	93	118	110	115	21	12	56
South Central																
1974	4	1.15	44	4.3	86	23	3.3	8.5	18.2	104	124	102	118	17	7	64
1975	4	1.12	43	4.1	88	23	3.7	9.2	17.8	107	126	110	122	18	8	64
West																
1974	3	1.16	45	3.8	91	25	2.6	7.2	15.7	130	149	97	107	17	7	91
1975	2	1.18	46	3.9	98	26	2.0	7.6	15.6	138	159	105	115	21	11	84
U.S. Average																
1974	13	1.16	44	4.1	85	23	3.3	8.1	17.1	111	130	102	114	17	7	72
1975	12	1.12	43	4.1	88	23	3.4	9.1	17.9	105	128	109	118	20	10	63
Significant Difference 2/																
0.02 2 0.2 2 1 0.5 0.5 0.5 4(22s) 5 5 2 2 3																
4(22s) 2(50s)																

1/ Based on a limited number of samples of modal quality

2/ Minimum differences considered to be significant for comparisons in this table.

Table 2 --Cotton, American upland short staple: Quality characteristics by production areas, crop of 1975

Production Area, Classification & Sample Number			Fiber Test Results										Processing Test Results - Carded Yarns									
No	Grade	Stple	Digital Fibrograph		Mike	Fiber Strength		Elon- gat'n 1/8"	S.A. Non- lint	Color Raw Stock		P & C Waste	Strength		Elongation		Appearance Index		Imprfect'ns		Spin. Poten- tial	
			2.5% span	Unif		Zero Gage	1/8" Gage			Gra	Yel		8s or 74 tx	22sor 27 tx	8s or 74 tx	22sor 27 tx	8s or 74 tx	22sor 27 tx				
			Name & Code	32s		In	Pct			Rdg	Mpsi		G/tex	Pct	Pct	No	No	Pct	Lbs	Pct		Pct

SOUTHWEST AREA

CENTRAL TEXAS

BRANDON

3 MID

31 31 0.95 45 4.2 85 LANKART 611

31 32 1.02 44 4.2 91 LANKART LX571

31 32 1.02 44 4.2 91 LANKART LX571

31 32 1.02 44 4.2 91 LANKART LX571

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31 32 1.02 44 4.2 91 LANKART LX571

Table 3 --Cotton, American upland medium staple: Quality characteristics by production areas, crop of 1975

Production Area, Classification & Sample Number				Fiber Test Results										Processing Test Results - Carded Yarns										
No	Grade	Style	32s	Digital Fibrograph		Mike	Fiber Strength		Elon-gat'n 1/8"	S.A. Non-Lint		Color Raw Stock		P & C Waste		Strength		Elongation		Appearance Index		Imprfct'ns		Spin. Potential
				2.5% span	Unif.		Zero Gage	1/8" Gage		Pct	Pct	Gra	Yel	Pct	Pct	22s or 27 tx	50s or 12 tx	22s or 27 tx	50s or 12 tx	22s or 27 tx	50s or 12 tx	27 tx	50s or 12 tx	
SOUTHEAST AREA																								
ALABAMA																								
GREENBRIER																								
41	33	1.02	45	4.2	79	22	7.5	2.8	2	3	4.3	99 PERCENT		94	26	6.0	3.8	100	70	28	25	49		
HUNTSVILLE																								
41	34	1.08	44	4.1	80	22	7.6	3.3	2	3	5.0	100 PERCENT		103	34	6.5	4.5	90	60	22	20	60		
MERIDIANVILLE																								
41	33	1.02	41	3.8	83	23	6.7	3.8	3	4	6.4	100 PERCENT		90	26	5.4	3.9	80	60	26	21	41		
MONTGOMERY																								
51	34	1.09	45	4.4	82	23	6.4	4.5	4	3	7.1	82 PERCENT		94	28	5.1	3.4	90	70	37	26	49		
MOUNDVILLE																								
51	34	1.10	44	4.6	86	24	5.9	4.3	4	3	6.9	85 PERCENT		91	30	4.9	3.8	90	60	49	36	54		
51	34	1.09	44	4.2	83	23	6.6	4.1	3	3	5.7			96	29	5.6	3.7	80	60	45	33	53		
PRATTVILLE																								
51	35	1.11	45	4.0	91	24	5.9	3.6	3	4	5.3	100 PERCENT		114	39	5.9	4.4	80	60	32	25	68		
SCOTTSBORO																								
41	34	1.05	45	3.7	87	22	6.8	2.3	2	3	4.5	75 PERCENT		110	35	6.4	4.1	110	80	12	11	59		
GEORGIA																								
ALLEN TOWN																								
51	34	1.07	45	4.4	81	21	6.7	4.5	3	3	8.1	98 PERCENT		89	28	5.4	3.8	90	60	31	26	44		
51	34	1.09	44	4.2	82	22	6.9	5.5	3	3	8.1			94	28	5.6	3.4	90	60	30	24	51		
ROSTWICK																								
52	34	1.03	46	4.2	86	21	6.8	5.4	4	3	7.2	100 PERCENT		94	30	5.3	3.7	120	90	18	11	53		
NORTH CAROLINA																								
SHELBY																								
41	35	1.06	48	4.6	89	23	6.4	3.4	3	4	5.9	100 PERCENT		99	28	5.4	3.4	120	90	13	9	51		
SOUTH CAROLINA																								
MANNING																								
31	34	1.10	45	4.7	85	23	6.3	2.0	2	3	4.9	85 PERCENT		103	33	5.6	3.8	90	70	21	19	58		
MAYESVILLE																								
31	35	1.09	47	4.5	86	23	6.3	1.8	1	3	4.1	90 PERCENT		99	29	5.5	3.9	100	80	17	13	53		

Table 3 --Cotton, American upland medium staple: Quality characteristics by production areas, crop of 1975--(Continued)

Production Area, Classification & Sample Number				Fiber Test Results						Processing Test Results - Carded Yarns													
Grade & Code		Staple	32s	Digital Fibrograph		Mike	Fiber Strength		Elon-gat'n 1/8"	S.A. Non-Lint	Color Raw Stock		P & C Waste	Strength		Elongation		Appearance Index		Imprfct's		Spin. Potential	
				2.5% span	Unif.		Zero Gage	1/8" Gage			Mpsi	G/tex		Pct	No	Yel	22s or 27 tx	50s or 12 tx	Pct	22s or 27 tx	50s or 12 tx		No
SOUTH CENTRAL AREA																							
ARKANSAS																							
ALTHEIMER																							
2 SLM		41	36	1.14	46	4.7	85	23	7.5	3.0	1	2	5.5	100 PERCENT	120	41	6.6	5.3	110	90	19	13	66
DUMAS																							
2 SLM		41	35	1.11	46	4.9	82	23	6.8	3.5	2	3	5.0	100 PERCENT	103	35	5.5	4.2	110	80	25	15	56
HUGHES																							
2 SLM		41	35	1.12	46	4.5	84	23	6.2	2.7	2	3	5.1	100 PERCENT	101	34	6.0	4.0	100	90	20	18	60
KEISER																							
3 SLM		41	35	1.11	43	4.1	84	23	7.2	2.6	1	2	5.5	100 PERCENT	102	35	5.8	4.4	120	90	11	9	62
LEACHVILLE																							
3 SLM		41	35	1.11	43	4.1	86	22	6.3	3.5	1	3	5.0	100 PERCENT	104	31	5.5	3.7	100	60	21	18	59
LEACHVILLE																							
3 SLM		41	35	1.09	44	4.5	82	22	6.7	2.9	2	3	5.1	100 PERCENT	99	32	5.7	4.3	100	70	21	12	54
MARION																							
2 SLM		41	35	1.14	45	4.5	84	23	7.0	2.3	1	2	4.6	100 PERCENT	109	35	6.3	4.6	100	80	9	10	61
OSCEOLA																							
3 SLM		41	34	1.10	45	4.4	84	22	6.9	3.2	1	3	5.0	100 PERCENT	103	30	6.2	3.9	100	90	17	15	50
VICTORIA																							
3 SLM		41	35	1.13	45	4.8	94	23	5.3	3.9	2	3	6.1	100 PERCENT	99	31	5.0	3.6	90	80	20	14	53
WYNNE																							
1 SLM		41	35	1.13	44	4.0	81	23	7.6	2.9	2	3	5.1	100 PERCENT	114	38	6.7	4.9	100	80	25	19	67
LOUISIANA																							
SHREVEPORT																							
1 MID		31	35	1.14	45	4.4	85	25	7.6	2.0	1	3	4.2	100 PERCENT	118	40	7.0	4.9	90	90	14	9	67
MISSISSIPPI																							
ARCOLA																							
1 MID		31	36	1.14	45	4.5	82	24	7.6	1.9	1	2	4.0	100 PERCENT	114	40	6.5	5.0	110	90	16	10	67

Table 3 --Cotton, American upland medium staple: Quality characteristics by production areas, crop of 1975--(Continued)

Production Area, Classification & Sample Number				Fiber Test Results										Processing Test Results - Carded Yarns									
No	Grade	Stple	32s	Digital Fibrograph		Mike	Fiber Strength		Elon- gat'n 1/8"	S.A. Non-Lint	Color Raw Stock		P & C Waste	Strength		Elongation		Appearance Index		Imprfct'ns		Spin. Potent- ial	
				2.5% span	Unif.		Zero Gage	1/8" Gage			Pct	Pct		Gra	Yel	22s or 27 tx	50s or 12 tx	22s or 27 tx	50s or 12 tx	22s or 27 tx	50s or 12 tx		22s or 27 tx
SOUTH CENTRAL AREA--(Continued)																							
MISSISSIPPI--(Continued)																							
COMO																							
2 SLM	41	34	1.04	45	4.3	81	22	7.4	3.2	1	3	4.8	100 PERCENT	110	35	6.4	4.4	100	80	19	18	60	
LYON																							
1 LM	51	35	1.12	45	4.5	88	23	6.2	4.5	2	3	6.4	100 PERCENT	107	35	5.9	4.2	100	80	24	16	57	
MACON																							
1 SLM	41	35	1.12	46	4.5	85	23	7.2	2.4	2	2	3.7	85 PERCENT	104	35	5.9	4.6	110	90	14	9	59	
PANTHER BURN																							
2 SLM	41	36	1.17	44	4.3	83	23	7.5	2.8	1	2	5.4	100 PERCENT	116	39	6.8	5.0	100	80	24	17	67	
ROBINSONVILLE																							
1 SLM	41	35	1.12	48	4.4	84	24	7.2	3.5	1	3	5.3	100 PERCENT	119	42	6.8	5.1	90	90	21	13	70	
SCOTT																							
2 SLM	41	35	1.14	43	4.4	82	24	7.2	2.6	1	2	5.5	100 PERCENT	116	39	7.0	4.9	90	70	21	17	65	
TRIIBETT																							
2 SLM	41	35	1.11	45	4.7	87	23	6.1	3.1	2	3	5.2	100 PERCENT	106	33	6.1	4.0	100	90	15	12	52	
MISSOURI																							
BELL CITY																							
2 MID	31	35	1.11	45	4.6	86	21	5.9	1.7	1	3	4.5	100 PERCENT	97	31	5.6	3.6	100	80	15	11	53	
COOTER																							
2 SLM	41	35	1.13	44	4.6	84	23	7.1	3.2	1	2	5.0	75 PERCENT	106	36	6.0	4.7	110	90	15	11	63	
ESSEX																							
2 LM	51	35	1.08	45	4.4	78	22	6.8	3.9	3	3	5.8	99 PERCENT	94	29	6.0	3.8	100	80	17	15	53	
TENNESSEE																							
CEDAR GROVE																							
1 SLM	41	35	1.02	45	4.3	82	21	6.5	1.9	2	3	4.2	80 PERCENT	99	33	5.4	3.9	110	90	13	12	61	
ELORA																							
1 SLM	41	34	1.06	45	3.9	83	22	7.5	3.7	2	3	5.6	75 PERCENT	101	33	6.1	4.4	110	80	23	17	59	
2 SLM	41	34	1.03	44	3.9	80	21	7.5	3.6	2	3	5.0	75 PERCENT	104	32	6.3	4.4	90	80	23	20	54	
FLINTVILLE																							
2 SLM	41	34	1.03	45	4.1	81	22	7.1	2.9	2	3	5.1	75 PERCENT	101	30	6.3	4.3	110	80	20	17	53	
MILLINGTON																							
1 LM	51	35	1.12	45	4.0	84	22	6.2	4.5	2	3	6.3	95 PERCENT	103	33	6.2	4.1	100	80	28	19	55	

Table 3 --Cotton, American upland medium staple: Quality characteristics by production areas, crop of 1975--(Continued)

Production Area, Classification & Sample Number				Fiber Test Results						Processing Test Results - Carded Yarns												
Sample Number		Stple	Digital Fibrograph		Mike	Fiber Strength		Elon- gat'n 1/8"	S.A. Non- Lint	Color Raw Stock		P & C Waste	Strength		Elongation		Appearance Index		Imprfct'ns		Spin. Poten- tial	
			2.5% span	Unif.		Zero	1/8" Gage			Gra.	Yel		22s or 27 tx	50s or 12 tx	22s or 27 tx	50s or 12 tx	22s or 27 tx	50s or 12 tx	22s or 27 tx	50s or 12 tx		
No	Grade	32s	In	Pct	Rdg	Mpsi	G/tex	Pct	Pct	No	No	Pct	Lbs	Lbs	Pct	Pct	No	No	No	No		
WEST																						
ARIZONA																						
BUCKEYE																						
1	MID	31	35	1.11	45	5.2	92	25	6.4	1.6	0	3	4.4	100	PERCENT	3.8	90	90	14	12	50	
CALIFORNIA																						
ARVIN																						
1	SLM PLUS	40	36	1.15	46	4.2	95	27	5.9	2.2	0	3	5.5	100	PERCENT	4.7	100	80	19	14	75	
2	SLM	41	36	1.13	46	4.2	94	27	6.6	2.6	1	2	4.9	127	45	6.1	4.5	90	70	21	13	74
BAKERSFIELD																						
2	SLM	41	35	1.11	44	4.1	92	26	6.4	2.6	2	3	4.6	100	PERCENT	4.6	90	70	22	16	65	
CORCORAN																						
1	SLM	41	36	1.07	44	3.7	96	29	6.5	3.2	1	3	4.9	90	PERCENT	5.8	90	70	23	16	67	
LOST HILLS																						
1	MID	31	35	1.06	46	4.4	94	27	6.8	2.1	0	2	4.6	100	PERCENT	6.1	100	70	18	14	70	
SHAFTER																						
2	SLM	41	36	1.15	47	3.9	94	27	6.0	2.4	1	3	5.2	100	PERCENT	5.8	90	80	21	16	78	
STRATFORD																						
1	MID	31	35	1.13	47	4.6	95	27	6.1	1.5	1	3	4.2	96	PERCENT	6.1	110	90	14	11	79	
STRATHMORE																						
1	SLM	41	35	1.13	46	4.0	97	27	5.8	2.6	1	2	4.5	85	PERCENT	5.4	90	70	34	25	72	
WASCO																						
2	MID	31	36	1.15	47	4.1	92	27	6.1	2.1	1	3	4.2	100	PERCENT	5.8	80	70	21	13	71	

Table 4 --Cotton, American upland long staple: Quality characteristics by production areas, crop of 1975

Production Area, Classification & Sample Number				Fiber Test Results										Processing Test Results - Carded Yarns												Spin. Potential
No	Grade	Name & Code	Stple	Digital Fibrograph		Mike	Fiber Strength		Elon-gat'n 1/8"	S.A. Non-Lint	Color Raw Stock		P & C Comber Waste	Strength		Elongation		Appearance Index		Imperfct'ns						
				2.5% span	Unif.		Zero Gage	1/8" Gage			Pct	Pct		Gra	Yel	22s or 27 tx	50s or 12 tx	22s or 27 tx	50s or 12 tx	22s or 27 tx	50s or 12 tx	22s or 27 tx	50s or 12 tx	22s or 27 tx	50s or 12 tx	
				32s	In	Pct	Rdg	Mpsi	G/tex	Pct	Pct	No	No	Pct	Pct	Lbs	Lbs	Pct	Pct	No	No	No	No	No	No	
SOUTHEAST AREA																										
ALABAMA																										
GERALDINE																										
1	SLM	LT SP	42	34	1.10	42	3.6	87	23	COKER 310	7.2	3.2	3	4	7.6	100 PERCENT		91	30	5.3	4.0	100	70	40	24	56
															*	18.8	118	40	6.2	4.3	100	80	24	15		
ORRVILLE																										
1	LM		51	34	1.10	40	4.2	84	22	COKER 310	6.6	3.9	3	3	10.4	98 PERCENT		87	27	4.9	3.5	110	70	12	11	50
															*	20.2	115	41	5.5	4.2	120	100	6	4		
2	LM		51	34	1.09	41	4.1	85	23		6.5	4.6	3	3	10.8	94	28	5.1	3.8	100	70	24	20	50		
															*	21.0	117	40	5.5	4.3	100	80	16	12		
GEORGIA																										
MADISON																										
1	SLM	LT SP	42	34	1.08	44	4.5	86	22	COKER 310	6.7	4.8	3	3	10.2	100 PERCENT		85	29	4.7	3.8	110	80	21	16	51
															*	18.6	112	40	5.5	4.5	120	100	8	6		
SOUTH CAROLINA																										
HARTSVILLE																										
2	SLM		41	35	1.11	43	4.0	85	21	COKER 310	6.0	2.5	3	2	10.5	100 PERCENT		95	29	5.3	3.6	120	90	14	13	56
															*	18.7	120	43	5.8	4.5	120	90	9	7		
SOUTH CENTRAL AREA																										
MISSISSIPPI																										
LAKE CORMORANT																										
2	LM	PLUS	50	37	1.17	43	3.7	91	24	COKER 310	5.9	3.9	1	2	9.6	100 PERCENT		119	41	5.7	4.6	90	70	23	20	69
															*	17.6	141	52	6.5	4.7	110	100	11	10		
TENNESSEE																										
TRENTON																										
1	LM		51	34	1.10	43	4.3	88	22	COKER 310	6.2	4.2	3	3	9.7	90 PERCENT		103	30	5.3	3.7	110	90	24	18	60
															*	19.2	122	44	5.5	4.5	130	100	10	6		
2	SLM		41	34	1.05	43	4.3	82	21		7.8	3.1	2	3	9.5	88	26	4.9	3.6	120	100	10	10	9	51	
															*	16.8	110	37	5.5	4.6	130	110	5	3		

* Comber Waste and Combed Yarn Data

Table 4 --Cotton, American upland long staple: Quality characteristics by production areas, crop of 1975--(Continued)

Production Area, Classification Sample Number				Fiber Test Results										Processing Test Results - Carded Yarns									
				Digital Fibrograph		Mike	Fiber Strength		Elon- gat'n 1/8"	S.A. Non- Lint		Color Raw Stock		P & C Comber Waste	Strength		Elongation		Appearance Index		Imprfct'ns		Spin. Poten- tial
				2.5% span	Unif.		Zero Gage	1/8" Gage		Pct	Pct	Gra	Yel		22s or 27 tx	50s or 12 tx	22s or 27 tx	50s or 12 tx	22s or 27 tx	50s or 12 tx	22s or 27 tx	50s or 12 tx	
No	Grade	Stple	32s	In	Pct	Rdg	Mpsi	G/tex	Pct	Pct	No	No	No	Pct	Lbs	Lbs	Pct	Pct	No	No	No	No	No
WEST																							
NEW MEXICO																							
ARTESIA																							
1	MID		31	37	1.20	46	3.8	96	ACALA 1517-V	2.0	0	2		6.9	143	54	97 PERCENT	4.7	90	70	25	19	90
									6.4	6.4		*		15.3	162	62	6.2	5.0	100	70	16	10	
ARTESIA																							
1	MID		31	36	1.15	46	4.0	100	ACALA 1517-70	1.9	1	3		8.3 1/2	134	49	80 PERCENT	4.6	120	90	17	12	77
									5.7	5.7		*		15.9	156	60	5.9	4.9	130	100	6	3	

1/ Cotton stuck to processing rolls

* Comber Waste and Combed Yarn Data